



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090244-A

Mode: Highway

Status: Submitted

NC-127

From/Cross Street: SR 1400 (Cloninger Mill Road)

Specific Improvement Type: 16 - Modernize Roadway

To: SR 1156 (Richey Road)

Project Category: Regional Impact

Length: 3.69

TIP#: R-3603A

Fully Funded in Draft STIP? No

Cost to NCDOT: \$30,438,000

Description:

SR 1400 (Cloninger Mill Road)-SR 1351 in Catawba County to US 64-NC 90 in Alexander County. Upgrade Two Lanes and Provide Some Multi-Lane Curb and Gutter. Section A: SR 1400 (Cloninger Mill Road) to SR 1156 (Richey Road).

Division(s): Division 12

County(s): ALEXANDER, CATAWBA

MPOS(s)/RPO(s): Greater Hickory MPO

Project Location



Statewide Mobility Total Score: 0

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|---|---|---------------------------------------|
| Totals: Weight: 0% Weighted Score: 0 | N/A | N/A |

Regional Impact Total Score: 53.02

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|---|---|---------------------------------------|
| Safety (10%) 80.90 [Travel Time] Benefit/Cost (25%) 0.00 Accessibility / Connectivity (10%) 13.06 Congestion (V/C) (25%) 54.50 | Percent: 15% Points: 100 | Percent: 15% Points: 100 |
| Totals: Weight: 70% Weighted Score: 23.02 | | |

Division Needs Total Score: 68.99

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|---|---|---------------------------------------|
| Congestion (V/C) (20%) 54.50 Safety (10%) 80.90 [Travel Time] Benefit/Cost (20%) 0.00 | Percent: 25% Points: 100 | Percent: 25% Points: 100 |
| Totals: Weight: 50% Weighted Score: 18.99 | | |

Project Data ***Existing Conditions**

| | |
|---|----------------|
| Existing Cross-Section: | |
| Speed Limit: | 55 |
| Length (miles): | 3.69 |
| Facility Type: | Arterial |
| Access Control: | None |
| Functional Classification: | Minor Arterial |
| Terrain Type: | Rolling |
| Lane Width: | 12 |
| Paved Shoulder Width: | 0 |
| Roadway has Curb & Gutter? | No |
| Volume (AADT): | 13583.44 |
| Capacity: | 16610.38 |
| Volume/Capacity Ratio: | 0.82 |
| % Autos: | 96% |
| % Trucks: | 4% |
| Truck Volume: | 607.78 |
| Crash Density: | 98.18 |
| Crash Severity: | 77.19 |
| Critical Crash Rate: | 67.37 |
| Crash Frequency: | 0 |
| Severity Index: | 0 |
| County Tier Designation: | 2 |
| Non-Interstate STRAHNET Route? | No |
| Average Commuting Time: | 22 |
| Existing Median Type (for Cost Estimation): | Undivided |
| Pavement Condition Rating: | 96 |
| Actual Congested Speed: | 0 |
| Travel Time Index: | 0 |

Project Benefits

| | |
|--|----------------|
| Project Cross-Section: | |
| Speed Limit: | 55 |
| Length (miles): | 3.69 |
| Facility Type: | Arterial |
| Access Control: | None |
| Functional Classification: | Minor Arterial |
| TerrainType: | Rolling |
| DOT Design Lane Width: | 12 |
| DOT Design Paved Shoulder Width: | 4 |
| Travel Time Savings for 30 Years (Total): | 0 |
| Travel Time Savings for 30 Years (Autos): | 0 |
| Travel Time Savings for 30 Years (Trucks): | 0 |
| Long-Term Employment: | |
| % Change in Economy: | |
| Provides Direct Connection to Transportation Terminal? | No |
| Does project upgrade how the roadway functions? | No |
| In CTP or LRTP? | |
| CTP/LRTP Name: | |
| CTP/LRTP Completion Year: | |
| Submitted by: | Division 12 |

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!ine tool and associated databases.

Project Ownership**Division**

| Division | Percent | Regional Impact | Division Needs |
|------------------------------|----------------|------------------------|-----------------------|
| Division 12 | 100% | 100 | 100 |
| | 0% | 0 | 0 |
| | 0% | 0 | 0 |
| TOTAL Division Points | | 100 | 100 |

MPO/RPO

| MPO/RPO | Percent | Regional Impact | Division Needs |
|-----------------------------|----------------|------------------------|-----------------------|
| Greater Hickory MPO | 100% | 100 | 100 |
| | 0% | 0 | 0 |
| | 0% | 0 | 0 |
| TOTAL MPO/RPO Points | | 100 | 100 |

Project Cost and Source

| | | |
|------------------------|---------------------|----------------------|
| Construction Cost: | \$30,438,000 | TIP Unit |
| Right-of-Way Cost: | \$0 | Cost Estimation Tool |
| Utilities Cost: | \$0 | Cost Estimation Tool |
| Total Project Cost: | \$30,438,000 | |
| Other Funding: | \$0 | None |
| Cost to NCDOT : | \$30,438,000 | |